

Attorney Docket No.: 40146/21401 (1618)

IN THE CLAIMS:

1. (Currently Amended) A method, comprising:

receiving, using a wireless controller, data transmitted from one or more wireless transmitters adapted to communicate with a plurality of mobile terminals;

receiving descriptive information associated with at least a portion of the received data from the one or more wireless transmitters, wherein the descriptive information describes a signal between at least two of the wireless controller, the one or more wireless transmitters, and the plurality of mobile terminals; and

providing the received data and the associated descriptive information to a port interface associated with the wireless controller.

2. (Original) The method of claim 1, wherein the act of providing comprises encapsulating the descriptive information with the data in a packet and providing the encapsulated packet to the port interface.

3. (Original) The method of claim 1, wherein the act of providing comprises providing the data and the associated descriptive information to the port interface for at least one of storage in a remote device and further processing.

4. (Original) The method of claim 1, wherein receiving the descriptive information comprises receiving the descriptive information encapsulated with the data in a packet, wherein the descriptive information comprises at least one high resolution timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index.

5. (Original) The method of claim 1, further comprises receiving a request from a remote unit through the port and further causing the wireless controller to perform at least one task responsive to the received request.

Attorney Docket No.: 40146/21401 (1618)

6. (Original) The method of claim 5, wherein the wireless transmitters comprise a plurality of access ports, and wherein the wireless controller communicates with a first access port of the plurality of access ports over a first communication channel, and wherein, in response to receiving the request, the wireless controller communicates with the first access port over a channel different from the first channel.

7. (Currently Amended) A wireless switch, comprising:

an interface; and

a controller communicatively coupled to the interface, the controller adapted to:

receive data transmitted from a plurality of access ports, wherein the data has associated descriptive information, wherein the descriptive information describes a signal between at least two of the controller, one or more wireless transmitters, and a plurality of mobile terminals; and

provide at least a portion of the received data and the associated descriptive information to a port interface associated with the wireless switch.

8. (Original) The wireless switch of claim 7, wherein the controller is adapted to provide the descriptive information with the data to the port interface.

9. (Original) The wireless switch of claim 7, wherein the controller is adapted to provide at least a portion of the data and the associated descriptive information to the port interface for substantial real-time monitoring using the remote device.

10. (Original) The wireless switch of claim 7, wherein the controller is further adapted to receive a request from a remote unit through the port interface and wherein the controller is adapted to cause the wireless switch to perform at least one task responsive to the received request.

11. (Original) The wireless switch of claim 7, wherein the controller is responsive to commands received from a remote device.

Attorney Docket No.: 40146/21401 (1618)

12. (Original) The wireless switch of claim 7, wherein the controller is adapted to provide the data and associated descriptive information to the port interface for storage in a storage unit of a remote device.

13. (Original) The wireless switch of claim 7, wherein the descriptive information comprises at least one of a timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality, channel number to use, and relative signal strength index.

14. (Currently Amended) A system, comprising:

- a plurality of mobile terminals;
- a wireless switch adapted to:

- receive data transmitted from the plurality of mobile terminals, wherein the data has an associated descriptive information, wherein the descriptive information describes a signal between at least two of the wireless switch, one or more wireless transmitters, and the plurality of mobile terminals; and
 - provide at least a portion of the received data and the associated descriptive information to a port interface associated with the wireless switch.

15. (Original) The system of claim 14, further comprising at least one access port adapted to receive the data from the mobile terminals and further adapted to transmit the data to the wireless switch.

16. (Original) The system of claim 15, wherein the wireless switch is adapted to receive the data and the descriptive information associated with the data.

17. (Original) The system of claim 14, wherein the wireless switch provides an encapsulated packet including the data and the associated descriptive information.

18. (Original) The system of claim 14, wherein the wireless switch is adapted to receive commands from a remote device and perform at least one task responsive to the received

Attorney Docket No.: 40146/21401 (1618)

commands.

19. (Original) The system of claim 14, wherein the descriptive information comprises at least one of a timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index.

20. (Original) The system of claim 14, further comprising a remote device that is adapted to communicate with the wireless switch via the port interface, wherein the remote device is at least one of a wireless sniffer, performance monitor, and wireless intrusion detection server.

21. (Currently Amended) An apparatus, comprising:

means for receiving, using a wireless controller, data transmitted from a plurality of access ports, wherein the data has associated descriptive information, wherein the descriptive information describes a signal between at least two of a wireless controller, one or more wireless transmitters, and a plurality of mobile terminals; and

means for providing at least a portion of the received data and the associated descriptive information to a port interface associated with the wireless controller.